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General Regression Neural Network: Isotropic module (GRNN_1). "One-page" user manual

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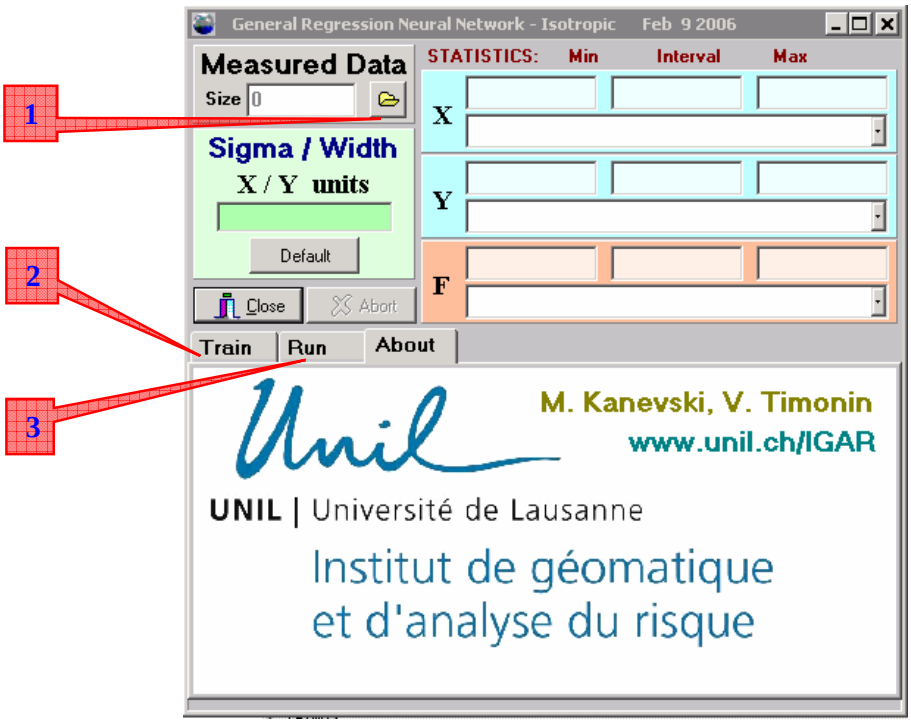
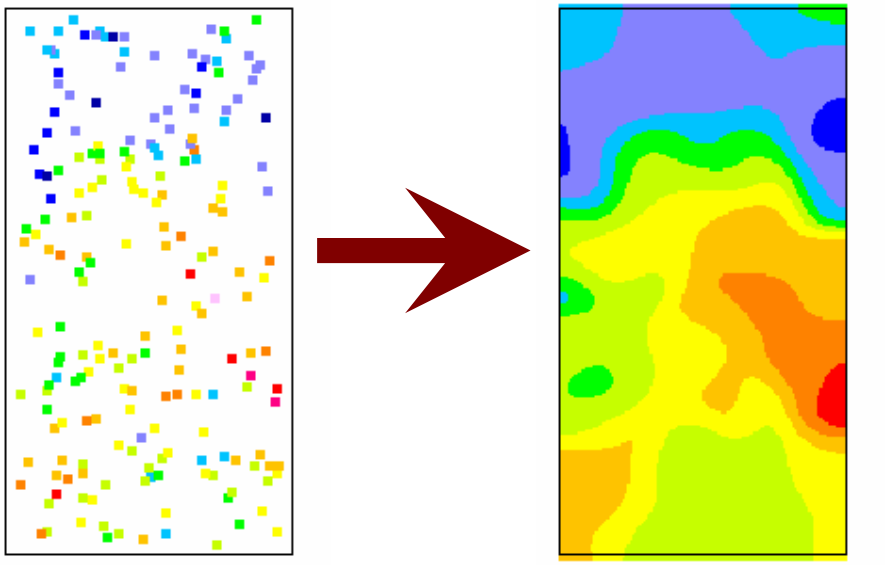
Start GRNN_1.



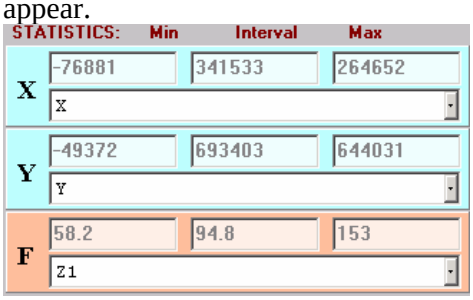
Step 1: *Load* dataset in Geo-EAS or dBase format.
Step 2: *Train* a GRNN to get an optimal kernel parameter.
Step 3: *Predict* on a given grid / network *OR* *Test* - compare predictions with known data.



See details on the next (last!) page...

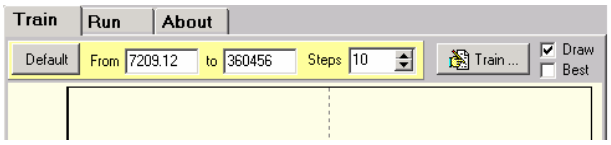
Step 1.

- Load training dataset. Number of points of the dataset is appeared in the **Size** field.
- Select X, Y and F columns (if necessary). Common statistics (minimum, maximum, and interval) for the selected columns will appear.



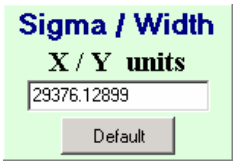
Step 2.

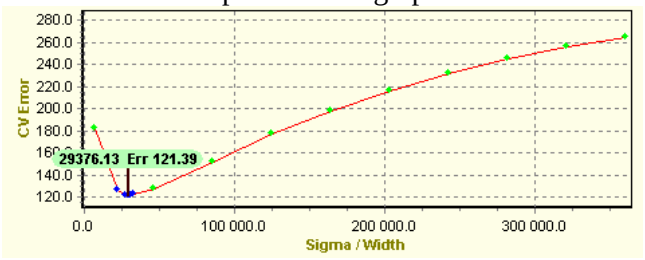
Select **Train** tab.



- Define interval for Sigma/Width parameter in X,Y units and number of steps or set default ones with **Default** button.
- Press **Train** button.

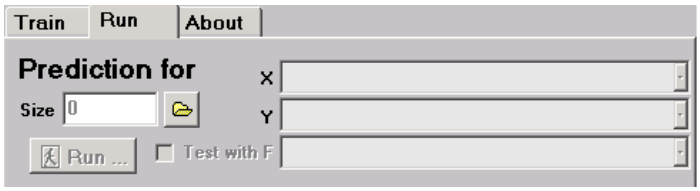
When the training will finish, optimal parameter (minimum of the cross-validation curve) will be set to the **Sigma/Width** field. Check **Best** to see this point on the graph.





Step 3.

Select **Run** tab.



- Load dataset for prediction or testing. Number of points of the dataset is appeared in the **Size** field.
- Select X, Y columns (if necessary). For testing check **Test with F** and define F column.
- Press **Run** button. Define filename for result file with **Save As** dialog.

That's all !

For testing mode table with MSE, RMSE and correlation coefficient Ro will appear.

	Z1
MSE:	70.75
RMSE:	8.411
Ro:	0.8829